

DIALOG(R)File 351:Derwent WPI
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Dry treatment of sludge - by mixing with mineral acid and alkali in cruciform reactor, and removing evaporated water

Patent Assignee: KURIMOTO IRON WORKS KK (KURM)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 54071460	A	19790608				197929 B
JP 83032638	B	19830714				198332

Priority Applications (No Type Date): JP 77137593 A 19771116

Abstract (Basic): JP 54071460 A

Method of treating sludge, e.G., organic sludges such as organic waste water sludge, sewage sludge, animal droppings sludge, etc., inorganic sludge such as lime industry waste water sludge, cement industry waste water sludge, fertiliser industry waste water sludge, etc., and pulp mill fermentation waste water sludge, is described.

Sludge is mixed with a mineral acid, e.g., sulphuric acid, nitric acid, phosphoric acid, etc., and an alkali e.g., ammonia gas, liq. ammonia, NaOH, KOH, etc., in a cruciform reactor, and then water present in the sludge is evaporated by the heat generated by the reaction in the reactor and then the evaporated water is removed from the reactor.

Process can be used for the mfr. of a fertiliser and does not require any fuel or drier.

Derwent Class: C04; D15; Q76

International Patent Class (Additional): C02C-003/00; C02F-011/12; C05F-007/00; F26B-003/32

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PATENT FAMILY:

JAPAN (JP)

Patent (No,Kind,Date): JP 54071460 A2 790608

METHOD OF DRYING SLUDGE (English)

Patent Assignee: KURIMOTO IRON WORKS

Author (Inventor): IZEKI MASAMICHI

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